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**Cc:** Brian Mikucki[bmikucki@tierrasolutionsinc.com]; Carlie  
Thompson[cthompson@tierrasolutionsinc.com]  
**From:** Clifford Firstenberg  
**Sent:** Tue 10/18/2016 7:45:28 PM  
**Subject:** RE: Logistics update

We've made arrangements to have the necessary 4-in liner delivered in 4 shipments, along with all of the necessary core caps in one shipment: two shipments of liner are scheduled to arrive by Thursday, along with the caps; the rest are being finalized. However, this allows us to cut the liner and decon the liner and caps on Friday so we can be in the field coring on Monday (10/24). The first two shipments should keep us operational for 2 weeks, which should be enough time to get the remaining liner, even if it has to be extruded (we could not, at this time, confirm if there is any additional liner available in one of the supplier's warehouses somewhere).

We're reviewing the two most recent SOPs for vibracoring (Newark Bay Phase II and Passaic River Removal Phase II) and will submit to you once we finish our review and determine if any modifications to the most pertinent SOP is required. Finally, once we agree on that part of the paperwork, we'll prepare the formal Protocol Modification Form, along with the SOP (modified or not) for the record.

I think that's it for now. Unless you hear otherwise, you can plan on a restart on Monday at 0700 at the dock (tailgate at 0645).

Let me know if you have any questions or concerns

Cliff

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Clifford E. Firstenberg

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*Thank You.*

**From:** Clifford Firstenberg

**Sent:** Tuesday, October 18, 2016 1:02 PM

**To:** 'Naranjo, Eugenia' <Naranjo.Eugenia@epa.gov>; Franklin, Elizabeth A NWK <Elizabeth.A.Franklin@usace.army.mil>; AccardiDey, AmyMarie <aaccardidey@louisberger.com>; Len Warner <lwarner@louisberger.com>

**Cc:** Brian Mikucki <bmikucki@tierrasolutionsinc.com>

**Subject:** Logistics update

**Importance:** High

I spoke with Eugenia a few minutes ago and told her I would update the team on our conversation.

In pulling our inventory of excess core liner stored at Lister, it turns out it is 3 5/8 OD liner that we used with OSI's vibracorer. ARCADIS' vibracorer, however, needs a minimum 3 3/4 OD liner, so we just hit a brick wall as far as starting on Thursday. We are pursuing the following options:

1. Traditional approach: we are getting info on lead time to get new core liner and caps for the traditional approach of a single barrel core of nominal 4-inch diameter.
2. Multi-liner: based on Eugenia's email and info from ASI regarding multiple cores at one time, we may be able to take advantage of an overstock of 3-inch liner that ARCADIS has in Syracuse that we could use as described by ASI.

As the afternoon progresses, I will keep everyone updated.

Len – can you get more info from ASI about how they affix the valves at the top of the liners?

Thanks  
Cliff

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*Thank You.*